Applicant: William Thomas Melvin et al. Attorney's Docket No.: 12489-003002 / UMMC 96-01

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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-26. (Canceled)

- 27. (Previously Presented) A method for activating T cells in a subject, the method comprising administering to the subject an amount of a cytochrome P450 CYP1B1 sequence effective to activate T cells that recognize a CYP1B1 epitope.
- 28. (Previously Presented) The method of claim 27, wherein activation of T cells is achieved by immunizing a human with a CYP1B1 amino acid sequence.
- 29. (Previously Presented) The method of claim 28, wherein the immunizing the human with the CYP1B1 amino acid sequence activates cytotoxic T cells.
- 30. (Previously Presented) The method of claim 28, wherein the immunizing the human with the CYP1B1 amino acid sequence activates helper T cells.
 - 31. (Previously Presented) The method of claim 28, wherein the human has a cancer.
- 32. (Previously Presented) The method of claim 31, wherein the cancer is in the bladder, brain, breast, colon, connective tissue, kidney, lung, lymph node, esophagus, ovary, skin, stomach, testis, or uterus.

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33. (Previously Presented) The method of claim 31, wherein the immunization results in a cell-mediated or humoral immune response against the cancer.

- 34. (Previously Presented) The method of claim 28, wherein the CYP1B1 amino acid sequence comprises ESLRPGAAPRDMMD (SEQ ID NO:1).
- 35. (Previously Presented) The method of claim 28, wherein the CYP1B1 amino acid sequence comprises EKKAAGDSHGGGAR (SEQ ID NO:2).

36-40. (Canceled)

- 41. (New) The method of claim 27, wherein subject is a human.
- 42. (New) The method of claim 41, wherein the human has a cancer.
- 43. (New) The method of claim 42, wherein the cancer is in the bladder, brain, breast, colon, connective tissue, kidney, lung, lymph node, esophagus, ovary, skin, stomach, testis, or uterus.
- 44. (New) The method of claim 42, wherein the administration results in a cell-mediated or humoral immune response against the cancer.